

# SDMS US EPA Region V

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14 September '98

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9/11/98  
169940

**Re: Enviro-Chem Superfund Site  
Monthly Construction Progress Report Number 9  
August 1998**

This Monthly Progress report has been prepared in accordance with Section XII of the Consent Decree entered September 10, 1991, Number 83419C, U.S.D.C. District of Indiana.

**(1) Actions Taken Toward Achieving Compliance with Decree**

- a. Versar completed soil vapor extraction (SVE) trenches and piping systems in the excavated soils deposited in the north area. (100% Complete)
- b. Versar closed four of the six dewatering wells (installed to allow for safe excavation below nine feet) in the northeast corner of the SCP. Two dewatering wells were left open to allow for irrigation of new grass seed on cover areas. (100% Complete)
- c. Versar processed approximately 74,450 gallons of water in the on-site treatment plant this month. Analytical results all passed discharge requirements (monthly treated water effluent sample submitted to IDEM) and treated water was discharged to the North Diversion Channel. (100% Complete)
- d. Versar installed the HDPE liner on the northside of the SCP and began to backfill the area. (80% Complete)
- e. The two temporary storage tanks T-1 & T-3 were taken out of service, pressure washed and are awaiting disassembly. (50 % Complete)
- f. The mobile wastewater treatment unit was disconnected, carbon removed and is ready to be removed from the site. (80% Complete)
- g. Two Frac tanks were cleaned and removed from the site. (100% Complete)
- h. Excavation of the Parcel 45 Drainage Ditch and placement of the concrete revetment was started this month. (60% Complete)
- i. The wastewater storage pad was restored. (100 % Complete)

- j. The programming for the SVE system's PLC (automated controller) was installed and checked out this month. (75% Complete)
- k. The vapor analyzer for the SVE system was received and installed this month. Shipping damage was noticed and replacement parts are on order. (75% Complete)
- l. Installation of the Stage I Cap for the North Fill Area was initiated this month. (5% Complete)
- m. Radian continued weekly conference calls with USEPA, IDEM, Trustees and Versar on August 7, 14, 21, and 28, 1998.

## **2) Validated Results and Other Data**

The only data generated during this month relates to the process water from the SCP. This data was submitted to IDEM under separate cover on August 28, 1998.

## **(3) Additional Work Performed**

There was no "additional work within the meaning of the consent decree." Work completed this month under Revised Exhibit A includes the items identified in 1 a through m above.

## **(4) Anticipated Activities for Next Month**

- a. Versar will continue work on the Stage I Cap on the North and Central Areas.
- b. Versar will complete the Parcel 45 Drainage Ditch.
- c. Versar will begin installation of the South Diversion Channel.
- d. Versar will install a recovery well in the second hot spot area. After pumping this well to collect any potential pumpable contamination, both hot spots will be resampled and then retreated with Fenton reagent, if required .
- e. Versar will initiate top soil placement and seeding in the SCP area.
- f. Versar will continue to process SVE system dewatering water. Monthly laboratory analyses will be completed to assure that discharge criteria continue to be met.
- g. Versar will complete installation of the HDPE liner on the north side of the SCP area.
- h. Temporary Tanks T-1 & T-3 will be disassembled and removed from the site.

- i. The mobile wastewater treatment system will be removed from the site.
- j. The programing of the SVE system PLC will be completed, and the vapor analyzer will be installed.

**(5) Problems & Resolution**

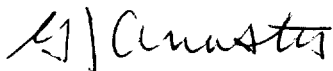
Water seepage (from the support area) into the south Parcel 45 Drainage Ditch has stopped work in this area. The discharge point of the Parcel 45 Ditch has been closed off, and rainwater and seepage water is being collected and stored in the Frac tanks. A sample of this drainage water has been submitted for VOA laboratory analyses. Laboratory results are anticipated during the week of 14 September. This water will be discharged to the Unnamed Ditch pending receipt of satisfactory laboratory analysis.

Versar has encountered problems with the marginal quality of Borrow Pit materials and the compaction of the select material cap over the excavated material from the SCP area. The varying quality and pervasiveness of stones in the Borrow Pit material has become problematic. In addition, upcoming frost will further complicate compaction of the cover material. Versar has performed Value Engineering on the Stage I Cap for the North and Central Areas. The installation of a HDPE liner system will provide greater flexibility and cost savings while meeting RCRA cap requirements. The concept has been presented to and approved in concept by both USEPA and IDEM. A design change request is in preparation. The installation of the HDPE liner has been tentatively scheduled for 28 September. It is critical that this design change be processed quickly to avoid further delay and frost problems.

Photographs of site activities taken during the month are attached.

If you have any questions, please feel free to call me at (215) 788-7844, Extension 222

Sincerely,

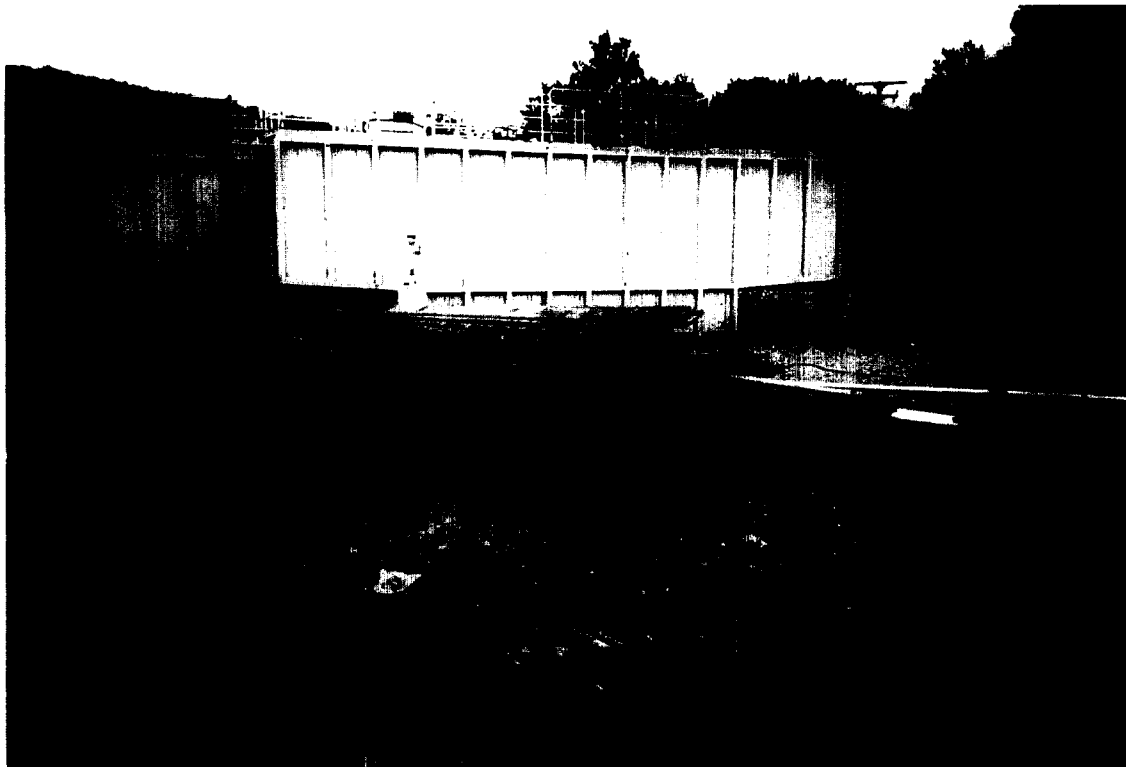


G. J. Anastos, Ph.D., P.E.  
Project Manager

attachments

cc:	D Basko (Versar)	J Freeman (DOJ)
	R Ball (ENVIRON)	C Gaffney (Versar)
	J Borucki (Versar)	R Hutchens (ENVIRON)
	N Bernstein (NEB & A)	G Scarpone (Handex)
	M Dowiak (Radian)	

## **Site Photographs**



**Photograph # 1:** Show a stack of sheet pile recently removed from the east wall of SCP Area.



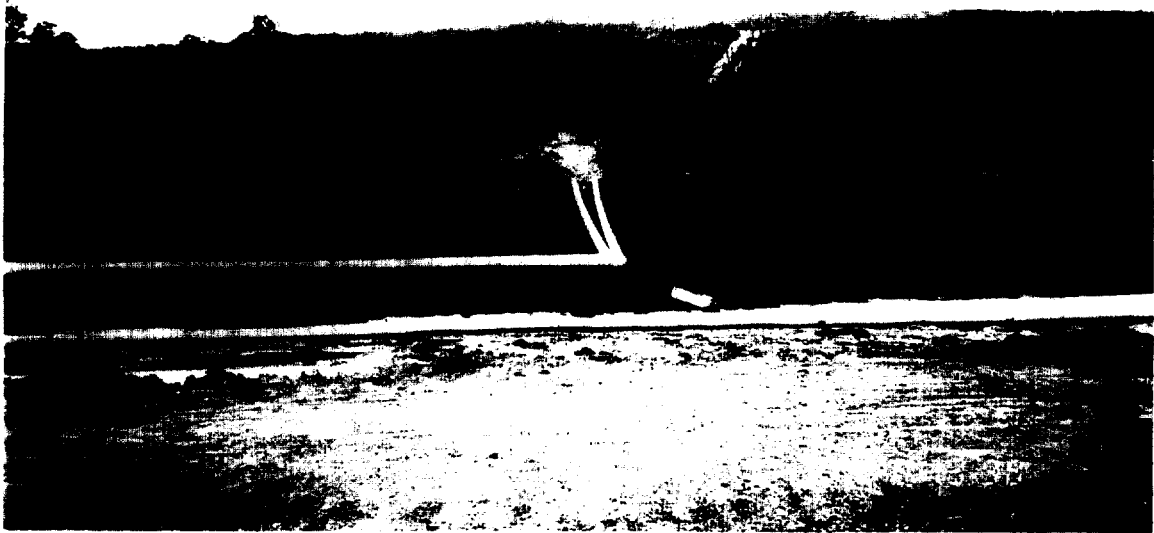
**Photograph #2 :** View looking north of the SCP Area after the sheetpiling was removed and backfilled.



**Photograph # 3:** View looking east showing the construction of the HDPE liner ditch.



**Photograph #4 :** View looking north showing the Parcel 45 ditch under excavation for installation of the concrete revetment.



**Photograph # 5:** View looking east of the North SVE Treatment Area under construction. Open SVE trenches are shown with vent piping and crushed stone placed in them.



**Photograph #6 :** View looking south showing the southern leg of the Parcel 45 Ditch where seepage from the support area is draining. The green pipe is where the Bankert's scale drain line exits.





**Photograph # 7:**      **View looking south at the southern leg of the Parcel 45 Drainage Ditch with support area drainage is accumulating.**



**Photograph #8 :**      **View looking east of the completed wooden equipment building.**